

REMARKS

Claims 12-30 are pending in the application. New claims 25-30 have been added.

Telephonic Interview

Applicants appreciate for the Examiner's time and effort in conducting a telephonic interview of May 18, 2010 with Applicants' representative Mr. Maki Hatsumi.

During the interview, Applicants' representative stated that Applicants believe that the Ghercioiu reference (US 2004/0010734) does not disclose or suggest the claimed "determining means for determining abnormality of the control target equipment."

In response, the Examiner referred to paragraph [0233] of the reference and stated that it teaches "sensor devices" which acquire data in the system. Applicants' representative argued that the sensors of the reference merely output detected signal for controlling the target equipment. The Examiner also referred to paragraph [0157] and stated that it teaches generating an error message. Applicants' representative argued that the error message in this case is generated when the symbol is not found, and is not generated when an abnormality of the control target equipment is determined.

The Examiner was not able to clearly point out, in the Ghercioiu reference, any teaching that may relate to the "determining means" of the present invention.

Claim Rejections - 35 U.S.C. § 103

Claims 12-23 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Ghercioiu et al. (US 2004/0010734) in view of Hasako et al. (US 2003/0093715), and further in view of Keele et al. (US 2005/0086695). This rejection is respectfully traversed.

Regarding claim 12, the Examiner acknowledges that the Ghercioiu reference does not disclose or suggest the “relation means.” However, the Examiner states:

Hasako discloses a display apparatus, analogous in art with that of Ghercioiu, comprising a relation means for relating the symbols data corresponding to the instructions executed by said control means to the video data stored in said video data storing means (Hasako, pg. 1, par. 15-17; pg. 17, par. 376).

Applicants respectfully disagree at least for the following reasons.

In the relevant paragraphs, Hasako discloses as follows:

[0015] The video generation circuit 503 outputs video data in sync with the clock signal supplied by the clock signal generation circuit 505;

[0016] Then, the data transmission circuit 504 transmits the video data outputted by the video generation circuit 503 to the data reception circuit 510 of the display device 502 via the cable 501;

[0017] The data reception circuit 510 of the display device 502 captures the video data in sync with a timing signal that is generated by the PLL circuit 511 in sync with the clock signal; and

[0376] As shown in FIG. 13(a), this causes the test video data superimposing the inspection result image data to be displayed on the display unit 31 of the display device 3.

Applicants submit that what are associated are different between the claimed “relation means” of the present application and the disclosure of the Hasako reference. Namely, in claim 12, the symbol data corresponding to the instructions executed by said control means and the video data stored in said video data storing means are associated with each other. In contrast, in the Hasako reference, the video data output from video generation circuit 503 and the clock signal by clock signal generation circuit 505 are associated with each other (*emphasis added*).

According to the Examiner, it appears that the symbol data corresponding to the instructions executed by said control means equals to the “clock signal” of the Hasako reference. The symbol data is not the clock signal. The “symbol data” is data for “displaying a plurality of symbols related to each of said plurality of instructions.” as recited in claim 12. Therefore, based on the Hasako reference, one skilled in the art would not conceive the “symbol data for displaying a plurality of symbols related to each of said plurality of instructions,” as recited in claim 1.

In addition, Applicants note that the claimed “symbol” is not a signal such as the “timing signal” of the Hasako reference. The claimed “symbol” is displayed in a first region in the display means, as recited in claim 12. This is also clear from the description “For example, when the operator of display apparatus 100 performs an operation o designating a This is also clear from the description “For example, when the operator of display apparatus 100 performs an operation o designating a symbol included in a ladder diagram appearing on display 152 on touch panel 116, . . .” (page 15, lines 15-17 of the specification of the present application). In contrast, the “timing signal” of the Hasako reference is literally a signal, which is output from a circuit and input to another circuit. The signal itself is not displayed on a screen.

The Keele reference has been relied upon to show that displaying the moving image f at least one of a time period from a predetermined time previous to the detection and a time period to a predetermined time after the detection is known in the art.

In view of this, Applicants submit that even assuming that the cited reference can be combined, which Applicants do not admit, the references, taken singly or in combination, fail to disclose or suggest the claimed “relation means” of the present invention.

Claims 13-22, variously dependent on claim 12, are allowable at least for their dependency on claim 12.

Claim 23 is allowable at least for the similar reasons as stated in the foregoing with regard to claim 12.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

New Claims

Claims 25-27, variously dependent on claim 12, are allowable at least for their dependency on claim 12.

Further, claims 28-30, variously dependent on claim 23, are allowable at least for their dependency on claim 23.

Support for the features recited in these claims is disclosed in page 31, lines 18 - page 32, line 1 of the specification.

A favorable determination by the Examiner and allowance of these claims is earnestly solicited.

Conclusion

Accordingly, in view of the above amendments and remarks, reconsideration of the rejections and objections, and allowance of the pending claims are earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Maki Hatsumi, Registration No. 40417 at the telephone number of the undersigned below to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Director is hereby authorized in this, concurrent, and future replies to charge any fees required during the pendency of the above-identified application or credit any overpayment to Deposit Account No. 02-2448.

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Respectfully submitted,

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